

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Complete if Known**

Application Number	10/615797
Filing Date	July 10, 2003
First Named Inventor	Roberts et al.
Art Unit	1616
Examiner Name	Alton Nathaniel Pryor
Attorney Docket Number	40304772

Sheet	1		1
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## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

Examiner Initials*	Document Number	Publication Date MM-DD-YY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	Number-Kind Code* (if known)			
/A.P./	3,984,392	10/05/76	van der Veen et al.	
↓	4,458,026	07/03/84	Reichle	
	4,582,705	04/15/86	Primes et al.	
	4,629,626	12/16/86	Miyata et al.	
	5,173,284	12/22/92	Moisset et al.	
↓	5,654,011	08/05/97	Jackson et al.	
/A.P./				

## FOREIGN PATENT DOCUMENTS

Examiner Initials <sup>a</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear	1 <sup>d</sup>
		Country Code <sup>a</sup> -Number <sup>a</sup> -Kind Code <sup>a</sup> (if known)				
/A.P./		GB 2031395	04/23/80	Laboratoires Om Societe		
/A.P./		FR 2254556	11/7/75	George Souquet		

## NON PATENT LITERATURE

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
I.A.P./		Ookubo et al., <u>Preparation and Phosphate Ion-Exchange Properties of a Hydrotalcite-like Compound</u> , <i>American Chemical Society</i> , pp. 1418-1422 (1993)
↓		Hansen et al., <u>The Use of Glycerol Intercalates in the Exchange of <math>\text{CO}_3^{2-}</math> with <math>\text{SO}_4^{2-}</math>, <math>\text{NO}_3^-</math> or <math>\text{Cl}^-</math> in Pyroaurite-Type Compounds</u> , <i>The Mineralogical Society</i> , Vol. 26, pp. 311-327 (1991)
		Hansen et al., <u>Formation of Synthetic Analogues of Double Metal-Hydroxy Carbonate Minerals Under Controlled pH Conditions</u> , <i>The Mineralogical Society</i> , Vol. 25, pp. 161-179 (1990)
		Hang-Sik Shin et al., <u>Phosphorus Removal By Hydrotalcite-Like Compounds (HTLcs)</u> , <i>Wat. Sci. Tech</i> , Vol 34, No. 1-2, pp. 161-168 (1996)
		Hashi et al., <u>Preparation and Properties of Pyroaurite-Like Hydroxy Minerals</u> , <i>Clays and Clay Minerals</i> , Vol. 31, No. 2, pp. 152-154 (1983)
I.A.P./		Playle et al., <u>The In Vitro Antacid and Anti-Pepsin Activity of Hydrotalcite</u> , <i>Pharm. ACTA Helv.</i> 49, Nr. 9/10, pp. 298-302 (1974)

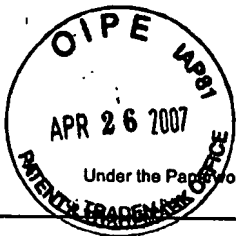
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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Application Number	10615797
Filing Date	2003-07-10
First Named Inventor	Roberts et al.
Art Unit	1616
Examiner Name	Alton N. Pryor
Attorney Docket Number	40304772

**U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/A.P./	1	3743098		1973-07-03	Martinez et al.	
	2	4786510		1988-11-22	Nakel et al.	
	3	5173284		1992-12-22	Moisset et al.	
	4	5571336		1996-11-05	Wurzbarger et al.	
	5	5654011		1997-08-05	Jackson et al.	
	6	5846426		1998-12-08	Boos et al.	
	7	5968976		1999-10-19	Murrer	
✓ A.P./	8	6103126		2000-08-15	Boos et al.	



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/A.P./	9	6174442		2001-01-16	Geisser et al.	
/A.P./	10	4970079		1990-11-13	Hem et al.	
/A.P./	11	4994283		1991-02-19	Mehansho et al.	

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**U.S. PATENT APPLICATION PUBLICATIONS**

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Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
/A.P./	1	3402878	DE		1985-08-01			<input type="checkbox"/>
/A.P./	2	2254556	GB		1992-10-14			<input type="checkbox"/>
/A.P./	3	173556	HU		1979-06-28			<input type="checkbox"/>



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/A.P./	4	201880	HU		1991-01-28			<input type="checkbox"/>
	5	5155776	JP		1993-06-22			<input type="checkbox"/>
	6	92/01458	WO		1992-02-06			<input type="checkbox"/>
	7	94/09798	WO		1994-05-11			<input type="checkbox"/>
	8	96/30029	WO		1996-10-03			<input type="checkbox"/>
	9	97/22266	WO		1997-06-26			<input type="checkbox"/>
	10	6136222	JP		1986-02-20			<input type="checkbox"/>
/A.P./	11	62145024	JP		1987-06-29			<input type="checkbox"/>

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Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
/A.P./	1	RAKI et al., Preparation, characterization, and moss bauer spectroscopy, Chem. Mater., Vol. 7 (1995) p221-224	<input type="checkbox"/>



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/A.P./	2	HANSEN et al., Synthesis and characterization of pyroaurite, Applied Clay Science, Vol. 10 (1995) p5-19	<input type="checkbox"/>
	3	ZHANG et al., Synthesis of Mg/Fe pyroaurite-like compounds and their anion exchange characteristics, Inorganic Materials, Vol. 2, No. 259 (1995) p480-485	<input type="checkbox"/>
	4	REICHLER, Synthesis of anionic clay materials (mixed metal hydroxides, hydrotalcite), Solid State Ionics, Vol. 22 (1986) p135-141	<input type="checkbox"/>
	5	ZHANG et al., Phosphorous anion-exchange characteristics of a pyroaurite-like compound, Inorganic Materials, Vol. 4 (1997) p132-138	<input type="checkbox"/>
	6	ULIBARRI et al., Kinetics of the thermal dehydration of some layered hydroxycarbonates, Thermochemica Acta, Vol. 135 (1988) p231-236	<input type="checkbox"/>
	7	OOKUBO et al., Hydrotalcites as potential adsorbents of intestinal phosphate, Journal of Pharmaceutical Sciences, Vol. 81, No. 11 (November 1992) p1139-1140	<input type="checkbox"/>
	8	SPENGLER et al., Cross-linked iron dextran is an efficient oral phosphate binder in the rat, Nephrol. Dial. Transplant., Vol. 11 (1996) p808-812	<input type="checkbox"/>
	9	Patent Abstracts of Japan, Vol. 017, no. 551 (C-1117) Oct. 5, 1993 for JP 05 155776 A (Otsuka Pharmaceut Factory Inc), Jun. 22, 1993	<input type="checkbox"/>
	10	Patent Abstracts of Japan, Vol. 011, No. 371 (C-462), Dec. 3, 1987 for JP 62 145024 A (Asahi Chem Ind Co Ltd), Feb. 20, 1986	<input type="checkbox"/>
	11	Database WPI, Week 7832 Derwent Publications Ltd., London, GB; An 78-58210A XP002091239 for SU 414 849 A (Khark House Build) Oct. 18, 1977	<input type="checkbox"/>
/A.P./	12	Patent Abstracts of Japan, Vol. 010, No. 194 (C-C358), Jul. 8 1986 for JP 61 036222 A (Chugai Pharmaceut Co Ltd.), Feb. 20, 1986	<input type="checkbox"/>



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/A.P./	13	BUDAVARI et al., Eds.: The Merck Index, Merck & Co. Inc. XP002091238 see p917, left-hand column, line 1-6 see p331, right-hand column-p332, left-hand column, line 4-7 see p277, right-hand column	<input type="checkbox"/>
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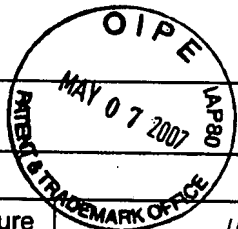
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/A.P./	1	6039981		2000-03-21	Woo et al.	
/A.P./	2	6596311		2003-07-22	Dobetti	
/A.P./	3	6576665		2003-06-10	Dennett, Jr. et al.	
/A.P./	4	5651997		1997-07-29	Makino et al.	
/A.P./	5	5213794		1993-05-25	Fritsch et al.	
/A.P./	6	6733780		2004-03-11	Tyler et al.	
/A.P./	7	6696087		2004-02-24	Matsuda et al.	
/A.P./	8	3395211		1968-07-30	Wielich et al.	



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/A.P./	9	4254099		1981-03-03	Asmussen et al.	
/A.P./	10	4609543		1986-09-02	Morris et al.	
/A.P./	11	6448323		2002-09-10	Jordan et al.	
/A.P./	12	6794367		2004-09-21	Tanida et al.	
/A.P./	13	6794864		2004-06-15	Makino et al.	
/A.P./	14	5656080		1997-08-12	Staniforth et al.	
/A.P./	15	5817340		1998-10-06	Roche et al.	
/A.P./	16	6287596		2001-09-11	Murakami et al.	
/A.P./	17	3650704		1972-03-21	Kumura et al.	
/A.P./	18	3879523		1975-04-22	Miyata et al.	
/A.P./	19	6028023		2000-02-22	Vierheilig	

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/A.P./	20	6790895		2004-09-14	Stelandre et al.	
/A.P./	21	4351814		1982-09-28	Miyata et al.	
/A.P./	22	4735629		1988-04-05	Glemser et al.	

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**U.S.PATENT APPLICATION PUBLICATIONS**

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/A.P./	1	20020122786		2002-09-05	Matsuda et al.	
/A.P./	2	20040022872		2004-02-05	Sofue et al.	
/A.P./	3	20030185886		2003-10-03	Lee et al.	
/A.P./	4	20050260271		2005-11-24	Bringley	

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**FOREIGN PATENT DOCUMENTS**

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/A.P./	1	1304104	EP		2003-04-23	Matsuda et al.		<input type="checkbox"/>
/A.P./	2	95/29679	WO		1995-11-09	Katdare et al.		<input type="checkbox"/>
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/A.P./	4	03/072084	WO		2003-09-04	Tian et al.		<input type="checkbox"/>
/A.P./	5	03/092658	WO		2003-11-13	Fekete et al.		<input type="checkbox"/>
/A.P./	6	03/017980	WO		2003-03-06	Sugaya et al.		<input type="checkbox"/>
/A.P./	7	03/028706	WO		2003-04-10	Hibino et al.		<input type="checkbox"/>
/A.P./	8	10236960	JP		1998-09-08	Kudo et al.		<input type="checkbox"/>
/A.P./	9	10059842	JP		1998-03-03	Norio et al.		<input type="checkbox"/>
/A.P./	10	2000086537	JP		2000-03-28	Yokoi et al.		<input type="checkbox"/>
/A.P./	11	2004/018094	WO		2004-03-04	Stamires et al.		<input type="checkbox"/>

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/A.P./	12	2005/009381	WO		2005-02-03	Phillips et al.		<input type="checkbox"/>
/A.P./	13	0050792	EP		1981-10-14	Oediger et al.		<input type="checkbox"/>

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/A.P./	1	STAMATAKIS et al., Influence of pH on In Vitro Disintegration of Phosphate Binders, American Journal of Kidney Diseases, Vol. 32, No. 5 (November 1998) p808-812.	<input type="checkbox"/>
/A.P./	2	BADAWY et al., Effect of Drug Substance Particle Size on the Characteristics of Granulation Manufactured in a High-Shear Mixer, AAPS PharmSciTech, Vol. 1, No. 4 (2000) article 33	<input type="checkbox"/>
/A.P./	3	ROBLOT et al., Effect of Lubricant Level and Applied Compressional Pressure on Surface Friction of Tablets, Journal of Pharmaceutical Sciences, Vol. 74, No. 6 (June 1985) p697-699	<input type="checkbox"/>
/A.P./	4	BOLHUIS et al., Interaction of Tablet Disintegrants and Magnesium Stearate during Mixing I: Effect on Tablet Disintegration, Journal of Pharmaceutical Sciences, Vol. 70, No. 12 (December 1981) p1328-1330	<input type="checkbox"/>
/A.P./	5	KAPLAN et al., A Preference Study: Calcium Acetate Tablets versus Gelcaps in Hemodialysis Patients, Nephrology Nursing Journal, Vol. 29, No. 4 (August 2002) p363-365	<input type="checkbox"/>
/A.P./	6	MURTHY et al., Effect of Shear Mixing on In Vitro Drug Release of Capsule Formulations Containing Lubricants, Journal of Pharmaceutical Sciences, Vol. 66, No. 9 (September 1977) p1215-1219	<input type="checkbox"/>
/A.P./	7	LEINONEN et al., Physical and Lubrication Properties of Magnesium Stearate, Journal of Pharmaceutical Sciences, Vol. 81, No. 12 (December 1992) p1194-1198	<input type="checkbox"/>

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/A.P./	8	SUREN G., Evaluation of lubricants in the development of tablet formula, Dansk Tidsskr. Farm., Vol. 45 (1971) p331-338	<input type="checkbox"/>
/A.P./	9	VITKOVA et al., The use of some hydrophobic substances in tablet technology, Acta Pharmaceutica Hungarica, Vol. 68 (1998) p336-344	<input type="checkbox"/>
/A.P./	10	IRANLOYE et al., Effects of Compression Force, Particle Size, and Lubricants on Dissolution Rate, Journal of Pharmaceutical Sciences, Vol. 67, No. 4 (April 1978) p535-545	<input type="checkbox"/>
/A.P./	11	VATIER et al., Antacid Activity of Calcium Carbonate and Hydrotalcite Tablets, Arzneimittel-Forsch./Drug Res., 44(I), Nr. 4 (1994) p514-518	<input type="checkbox"/>
/A.P./	12	BROUWERS et al., De invloed van de toedieningsvorm op de werkingsduur en op het pH-bereik bij antacida; een in-vitro- en in-vivo-studie, Pharmaceutisch Weekblad 111-1976, p1244-1248	<input type="checkbox"/>
/A.P./	13	BROUWERS et al., Biopharmaceutical Tests on Antacids: In Vitro and In Vivo Studies, Drugs under experimental and clinical research 1997, 5, (4-5), p55-61	<input type="checkbox"/>
/A.P./	14	MIEDERER et al., Acid neutralization and bile acid binding capacity of hydrotalcite compared with other antacids: An in vitro study, Chinese Journal of Digestive Diseases, Vol. 4, No. 3 (October 2003) p140-146	<input type="checkbox"/>
/A.P./	15	LLEWELLYN et al., The binding of bile acids by hydrotalcite and other antacid preparations, Pharm. Acta. Helv. Vol. 52, Nr. 1/2 (1977) p1-5	<input type="checkbox"/>
/A.P./	16	LI et al., Enteric-coated layered double hydroxides as a controlled release drug delivery system, International Journal of Pharmaceutics, Vol. 287 (2004) p89-95	<input type="checkbox"/>
/A.P./	17	AOSHIMA et al., Glycerin fatty acid esters as a new lubricant of tablets, International Journal of Pharmaceutics, Vol. 293 (2005) p25-34	<input type="checkbox"/>
/A.P./	18	CHITRAKAR et al., Absorption of phosphate from seawater on calcined MgMn-layered double hydroxides, Journal of Colloid and Interface Science, Vol. 290 (2005) p45-51	<input type="checkbox"/>

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/A.P./	19	HIBINO et al., Calcination and reydration behavior of Mg-Fe-CO <sub>3</sub> hydrotalcite-like compounds, Journal of Materials Science Letters, Vol. 19 (2000) p1403-1405	<input type="checkbox"/>
/A.P./	20	ROY et al., Layered Double Hydroxides: Present and Future, Ch. 1, Layered Double Hydroxides: Syntheses and Post-Synthesis Modification, p.33, Calcination and reconstruction; Ch. 8, Surface Texture and Electron Microscopy Studies, p243-244, Calcined LDHs	<input type="checkbox"/>
/A.P./	21	ARCO et al., Effect of the Mg: Al Ratio on Borate (or Silicate)/Nitrate Exchange in Hydrotalcite, Journal of Solid State Chemistry, Vol. 151 (2000) p272-280	<input type="checkbox"/>
/A.P./	22	FROST et al., Thermal Decomposition of Synthetic Hydrotalcites Reevesite and Pyroaurite, Journal of Thermal Analysis and Calorimetry, Vol. 76 (2004) p217-225	<input type="checkbox"/>
/A.P./	23	BROUWERS, Onderzoek naar vloeibare antacida, Pharmaceutisch Weekblad, 110-1975, p337-351	<input type="checkbox"/>
/A.P./	24	LI et al., Stoichiometric Synthesis of Pure MFe <sub>2</sub> O <sub>4</sub> (M=Mg, Co, and Ni) Spinal Ferrites from Tailored Layered Double Hydroxide (Hydrotalcite-Like) Precursors, Chem. Mater., Vol. 16 (2004) p1597-1602	<input type="checkbox"/>
/A.P./	25	MENG et al., Preparation and thermal decomposition of magnesium/iron(III) layered double hydroxide intercalated by hexacyanoferrate(III) ions, Journal of Materials Science, Vo. 39 (2004) p4655-4657	<input type="checkbox"/>
/A.P./	26	ZHU et al., Absorption of phosphate by hydrotalcite and its calcined product, Acta Meralogica Sinica, Vol. 25, No. 1 (March 2005) p27-32	<input type="checkbox"/>
/A.P./	27	SHIN et al., Phosphorus removal by hydrotalcite-like compounds (HTLcs), Wat. Sci. Tech., Vol. 34, No. 1-2 (1996) p161-168	<input type="checkbox"/>
/A.P./	28	MENG et al., Preparation of magnetic material containing MgFe <sub>2</sub> O <sub>4</sub> spinal ferrite from a Mg-Fe(III) layered double hydroxide intercalated by hexacyanoferrate(III) ions, Materials Chemistry and Physics, Vol. 86 (2004) p1-4	<input type="checkbox"/>
/A.P./	29	KOVANDA et al., Thermal behaviour of Ni-Mn layered double hydroxide and characterization of formed oxides, Solid State Sciences, Vol. 5 (2003) p1019-1026	<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
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/A.P./	30	NEWMAN et al., Comparative study of some layered hydroxide salts containing exchangeable interlayer anions, Journal of Solid State Chemistry, Vol. 148 (1999) p26-40	<input type="checkbox"/>
/A.P./	31	ERICKSON et al., A study of structural memory effects in synthetic hydrotalcites using environmental SEM, Materials Letters, Vol. 59 (2005) p226-229	<input type="checkbox"/>
/A.P./	32	MIYATA, Physico-chemical properties of synthetic hydrotalcites in relation to composition, Clays and Clay Materials, Vol. 28, No. 1 (1980) p50-56	<input type="checkbox"/>
/A.P./	33	BARRIGA et al., Hydrotalcites as sorbent for 2,4,6-trinitrophenol: influence of the layer composition and interlayer anion, J. Mater. Chem., Vol. 12 (2002) p1027-1034	<input type="checkbox"/>
/A.P./	34	TICHIT et al., Catalysis by hydrotalcites and related materials, Cattech, Vol. 7, No. 6 (2003) p206-217	<input type="checkbox"/>
/A.P./	35	CHATELET et al., Competition between monovalent and divalent anions for calcined and uncalcined hydrotalcite: anion exchange and absorption sites, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Vol. 111 (1996) p167-175	<input type="checkbox"/>
/A.P./	36	RAJAMATHI et al., Reversible thermal behavior of the layered double hydroxide of Mg with Al: mechanistic studies, Journal of Materials Chemistry, Vol. 10 (2000) p 2754-2757	<input type="checkbox"/>
/A.P./	37	HANSEN et al., Synthesis and characterization of pyroaurite, Applied Clay Science, Vol. 10 (1995) p5-19	<input type="checkbox"/>
/A.P./	38	LAZARIDIS, Sorption removal of anions and cations in single batch systems by uncalcined and calcined Mg-Al-CO3 hydrotalcite, Water, Air, and Soil Pollution, Vol. 146 (2003) p127-139	<input type="checkbox"/>
/A.P./	39	BOLOGNINI et al., Mg/Al mixed oxides prepared by coprecipitation and sol-gel routes: a comparison of their physico-chemical features and performances in m-cresol methylation, Microporous and Mesoporous Materials, Vol. 66 (2003) p77-89	<input type="checkbox"/>
/A.P./	40	ZHANG et al., Synthesis of Mg/Fe pyroaurite-like compounds and their anion-exchange characteristics, Inorganic Materials, Vol. 2, No. 259 (1995) p480-485	<input type="checkbox"/>

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/A.P./	41	ZHANG et al., Phosphorus anion-exchange characteristics of a pyroaurite-like compound, Inorganic Materials, Vol. 14 (1997)	<input type="checkbox"/>
/A.P./	42	MARCHI et al., Impregnation-induced memory effect of thermally activated layered double hydroxides, Applied Clay Science, Vol. 13 (1998) p35-48	<input type="checkbox"/>
/A.P./	43	ULIBARRI et al., Kinetics of thermal dehydration of some layered hydroxycarbonates, Thermochimica Acta, Vol. 135 (1988) p231-236	<input type="checkbox"/>
/A.P./	44	ZHANG et al., Synthesis and characterization of a novel nano-scale magnetic solid base catalyst involving a layered double hydroxide supported on a ferrite core, Journal of Solid State Chemistry, Vol. 177 (2004) p772-780	<input type="checkbox"/>
/A.P./	45	BADREDDINE et al., Ion exchange of different phosphate ions into the zinc-aluminum-chloride layered double hydroxide, Materials Letters, Vol. 38 (1999) p391-395	<input type="checkbox"/>
/A.P./	46	SATO et al., Causticization of sodium carbonate with rock-salt type magnesium aluminum oxide formed by the thermal decomposition of hydrotalcite-like layered double hydroxide, J. Chem. Teck. Biotechnol., Vol. 57 (1993) p137-140	<input type="checkbox"/>
/A.P./	47	KOKOT et al., A rotating disk study on the rates of hydrotalcite dissolution at 25 °C, Pharmazie, Vol. 48 (1993) H. 4 p287-289	<input type="checkbox"/>
/A.P./	48	ROY et al., Anionic Clays: Trends in Pillaring Chemistry, Synthesis of Microporous Materials, Ch. 7, p108-169	<input type="checkbox"/>
/A.P./	49	TEZUKA et al., The synthesis and phosphate adsorptive properties of Mg(II)-Mn(III) layered double hydroxides and their heat-treated materials, Bull. Chem. Soc. Jpn., Vol. 77 (2004) p2101-2107	<input type="checkbox"/>
/A.P./	50	PESIC et al., Thermal characteristics of a synthetic hydrotalcite-like material, J. Mater. Chem., Vol. 2, No. 10 (1992) p1069-1073	<input type="checkbox"/>

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/A.P./	1	FERREIRA et al., Thermal decomposition and structural reconstruction effect on Mg-Fe-based hydrotalcite compounds, Journal of Solid State Chemistry, Vo. 177 (2004) p3058-3069	<input type="checkbox"/>
/A.P./	2	ARCO et al., Surface and textural properties of hydrotalcite-like materials and their decomposition products, Characterization of Porous Solids III, Studies in Surface Science and Catalysis, Vol. 87 (1994) p507-515	<input type="checkbox"/>
/A.P./	3	AMBROGI et al., Intercalation compounds of hydrotalcite-like anionic clays with anti-inflammatory agents, II: Uptake of diclofenac for a controlled release formulation, AAPS PharmSciTech, Vol. 3, No. 3 (2002) article 26	<input type="checkbox"/>
/A.P./	4	SEIDA et al., Removal of phosphate by layered double hydroxides containing iron, Water Research, Vol. 36 (2002) p1306-1312	<input type="checkbox"/>
/A.P./	5	LINARES et al., The influence of hydrotalcite and cancrinite-type zeolite in acidic aspirin solutions, Microporous and Mesoporous Materials, Vol. 74 (2004) p105-110	<input type="checkbox"/>
/A.P./	6	LAZARIDIS et al., Flotation of metal-loaded clay anion exchangers. Part I: the case of chromates, Chemosphere, Vol. 42 (2001) p373-378	<input type="checkbox"/>
/A.P./	7	LAZARIDIS et al., Flotation of metal-loaded clay anion exchangers. Part II: the case of arsenates, Chemosphere, Vol. 47 (2002) p319-324	<input type="checkbox"/>
/A.P./	8	RUBINSTEIN et al., The effect of granule size on the in vitro and in vivo properties of bendroflauzide tablets 5 mg, Pharm. Acta Helv., Vol. 52, Nr. 1/2 (1977)	<input type="checkbox"/>
/A.P./	9	USANA Technical Bulletin, Tablet Excipients, 6/99	<input type="checkbox"/>
/A.P./	10	International Specialty Products, Pharmaceuticals Solid Dosage Forms, 2004	<input type="checkbox"/>
/A.P./	11	REMUZZI et al., Hematologic consequences of renal failure, p2170-2186, The Kidney, Vol. II (5th ed. 1996)	<input type="checkbox"/>

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/A.P./	12	OE et al., Long-term use of magnesium hydroxide as a phosphate binder in patients on hemodialysis, Clinical Nephrology, Vol. 28, No. 4 (1987) p180-185	<input type="checkbox"/>
/A.P./	13	O'DONOVAN et al., Substitution of aluminum salts by magnesium salts in control of dialysis hyperphosphataemia, The Lancet (April 19, 1986) p880-881	<input type="checkbox"/>
/A.P./	14	MCCANCE et al., Absorption and excretion of iron, The Lancet (September 18, 1937) p680-684	<input type="checkbox"/>
/A.P./	15	COOK, Adaptation in iron metabolism, Am. J. Clin. Nutr., Vol. 51 (1990) p301-308	<input type="checkbox"/>
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